Rong Qu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

125 papers	5,033 citations	39 h-index	68 g-index
134 ext. papers	6,151 ext. citations	4.6 avg, IF	5.97 L-index

#	Paper	IF	Citations
125	An ACO for Energy-Efficient and Traffic-Aware Virtual Machine Placement in Cloud Computing. *Swarm and Evolutionary Computation*, **2021**, 68, 101012	9.8	0
124	Adaptive Fuzzy Learning Superpixels Representation for PolSAR Image Classification. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-1	8.1	
123	A deep reinforcement learning based hyper-heuristic for combinatorial optimisation with uncertainties. *European Journal of Operational Research*, **2021**,	5.6	5
122	A hybrid pricing and cutting approach for the multi-shift full truckload vehicle routing problem. *European Journal of Operational Research*, **2021**, 292, 500-514	5.6	2
121	Recent Developments of Automated Machine Learning and Search Techniques. *Natural Computing Series*, **2021**, 1-9	2.5	
120	A General Model for Automated Algorithm Design. *Natural Computing Series*, **2021**, 29-43	2.5	1
119	. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 35-47	15.6	15
118	Automated design of search algorithms: Learning on algorithmic components. *Expert Systems With Applications*, **2021**, 185, 115493	7.8	1
117	Fuzzy Superpixels Based Semi-Supervised Similarity-Constrained CNN for PolSAR Image Classification. *Remote Sensing*, **2020**, 12, 1694	5	7
116	A Multiobjective Computation Offloading Algorithm for Mobile-Edge Computing. *IEEE Internet of Things Journal*, **2020**, 7, 8780-8799	10.7	17
115	A hybrid combinatorial approach to a two-stage stochastic portfolio optimization model with uncertain asset prices. *Soft Computing*, **2020**, 24, 2809-2831	3.5	6
114	Towards a Severity Assessment Method for Potential Cyber Attacks to Connected and Autonomous Vehicles. *Journal of Advanced Transportation*, **2020**, 2020, 1-15	1.9	3
113	Facilitating Granule Cell Survival and Maturation in Dentate Gyrus With Baicalin for Antidepressant Therapeutics. *Frontiers in Pharmacology*, **2020**, 11, 556845	5.6	7
112	Radix Scutellariae Ameliorates Stress-Induced Depressive-Like Behaviors via Protecting Neurons through the TGF3-Smad2/3-Nedd9 Signaling Pathway. *Neural Plasticity*, **2020**, 2020, 8886715	3.3	4
111	Machine Learning-Based Detection for Cyber Security Attacks on Connected and Autonomous Vehicles. *Mathematics*, **2020**, 8, 1311	2.3	12
110	A Data-Driven Genetic Programming Heuristic for Real-World Dynamic Seaport Container Terminal Truck Dispatching **2020**,		2
109	Assessing hyper-heuristic performance. *Journal of the Operational Research Society*, **2020**, 1-14	2	4

108	The General Combinatorial Optimization Problem: Towards Automated Algorithm Design. *IEEE Computational Intelligence Magazine*, **2020**, 15, 14-23	5.6	8
107	A Survey of Deep Learning-Based Object Detection. *IEEE Access*, **2019**, 7, 128837-128868	3.5	310
106	Suppressing the Na/H exchanger 1: a new sight to treat depression. *Cell Death and Disease*, **2019**, 10, 370	9.8	9
105	Baicalin exerts antidepressant effects through Akt/FOXG1 pathway promoting neuronal differentiation and survival. *Life Sciences*, **2019**, 221, 241-248	6.8	13
104	Multi-objective ant colony optimization algorithm based on decomposition for community detection in complex networks. *Soft Computing*, **2019**, 23, 12683-12709	3.5	14
103	Controlling understaffing with conditional Value-at-Risk constraint for an integrated nurse scheduling problem under patient demand uncertainty. *Operations Research Perspectives*, **2019**, 6, 100119	2.1	2
102	Accelerated genetic algorithm based on search-space decomposition for change detection in remote sensing images. *Applied Soft Computing Journal*, **2019**, 84, 105727	7.5	7
101	Hybrid multi-objective evolutionary algorithms based on decomposition for wireless sensor network coverage optimization. *Applied Soft Computing Journal*, **2018**, 68, 268-282	7.5	56
100	Automated Design of Machine Learning and Search Algorithms [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2018**, 13, 16-17	5.6	7
99	A hyper-heuristic with two guidance indicators for bi-objective mixed-shift vehicle routing problem with time windows. *Applied Intelligence*, **2018**, 48, 4937-4959	4.9	8
98	Selection Constructive Hyper-Heuristics. *Natural Computing Series*, **2018**, 7-16	2.5	2
97	Radix Scutellariae Attenuates CUMS-Induced Depressive-Like Behavior by Promoting Neurogenesis via cAMP/PKA Pathway. *Neurochemical Research*, **2018**, 43, 2111-2120	4.6	31
96	Hyper-Heuristics: Theory and Applications. *Natural Computing Series*, **2018**,	2.5	39
95	Baicalin exerts neuroprotective effects via inhibiting activation of GSK3β/NF-κB/NLRP3 signal pathway in a rat model of depression. *International Immunopharmacology*, **2018**, 64, 175-182	5.8	37
94	Levo-tetrahydropalmatine Attenuates Neuron Apoptosis Induced by Cerebral Ischemia-Reperfusion Injury: Involvement of c-Abl Activation. *Journal of Molecular Neuroscience*, **2018**, 65, 391-399	3.3	17
93	Mean-VaR portfolio optimization: A nonparametric approach. *European Journal of Operational Research*, **2017**, 260, 751-766	5.6	58
92	An Investigation on Compound Neighborhoods for VRPTW. *Communications in Computer and Information Science*, **2017**, 3-19	0.3	2
91	A hybrid EDA for load balancing in multicast with network coding. *Applied Soft Computing Journal*, **2017**, 59, 363-377	7.5	4

90	An improved MOEA/D algorithm for multi-objective multicast routing with network coding. *Applied Soft Computing Journal*, **2017**, 59, 88-103	7.5	19
89	Paeoniflorin ameliorates cognitive dysfunction via regulating SOCS2/IRS-1 pathway in diabetic rats. *Physiology and Behavior*, **2017**, 174, 162-169	3.5	27
88	Ferulic acid attenuates diabetes-induced cognitive impairment in rats via regulation of PTP1B and insulin signaling pathway. *Physiology and Behavior*, **2017**, 182, 93-100	3.5	35
87	Saikosaponin D relieves unpredictable chronic mild stress induced depressive-like behavior in rats: involvement of HPA axis and hippocampal neurogenesis. *Psychopharmacology*, **2017**, 234, 3385-3394	4.7	51
86	Baicalin attenuates in vivo and in vitro hyperglycemia-exacerbated ischemia/reperfusion injury by regulating mitochondrial function in a manner dependent on AMPK. *European Journal of Pharmacology*, **2017**, 815, 118-126	5.3	52
85	Information core optimization using Evolutionary Algorithm with Elite Population in recommender systems **2017**,		1
84	Change detection in SAR images based on the salient map guidance and an accelerated genetic algorithm **2017**,		6
83	Survey on cyber security of CAV **2017**,		9
82	Good Laboratory Practice for optimization research. *Journal of the Operational Research Society*, **2016**, 67, 676-689	2	54
81	Apigenin ameliorates chronic mild stress-induced depressive behavior by inhibiting interleukin-1 production and NLRP3 inflammasome activation in the rat brain. *Behavioural Brain Research*, **2016**, 296, 318-325	3.4	87
80	. *IEEE Transactions on Evolutionary Computation*, **2016**, 20, 325-342	15.6	43
79	Workforce scheduling and routing problems: literature survey and computational study. *Annals of Operations Research*, **2016**, 239, 39-67	3.2	71
78	Quercetin attenuates tau hyperphosphorylation and improves cognitive disorder via suppression of ER stress in a manner dependent on AMPK pathway. *Journal of Functional Foods*, **2016**, 22, 463-476	5.1	42
77	A PBIL for Load Balancing in Network Coding Based Multicasting. *Lecture Notes in Computer Science* , **2016**, 34-44	0.9	7
76	Dalbergioidin Ameliorates Doxorubicin-Induced Renal Fibrosis by Suppressing the TGF- Signal Pathway. *Mediators of Inflammation*, **2016**, 2016, 5147571	4.3	5
75	Baicalin Reverses Depressive-Like Behaviours and Regulates Apoptotic Signalling Induced by Olfactory Bulbectomy. *Phytotherapy Research*, **2016**, 30, 469-75	6.7	15
74	A quantum inspired evolutionary algorithm for dynamic multicast routing with network coding **2016**,		7
73	An application programming interface with increased performance for optimisation problems data. *Journal of Management Analytics*, **2016**, 3, 305-332	3.7	2

72	Price and service competition with maintenance service bundling. *Journal of Systems Science and Systems Engineering*, **2015**, 24, 168-189	1.2	6
71	Hybridising heuristics within an estimation distribution algorithm for examination timetabling. *Applied Intelligence*, **2015**, 42, 679-693	4.9	22
70	Asiaticoside attenuates diabetes-induced cognition deficits by regulating PI3K/Akt/NF-Β pathway. *Behavioural Brain Research*, **2015**, 292, 288-99	3.4	41
69	The effects of apigenin on lipopolysaccharide-induced depressive-like behavior in mice. *Neuroscience Letters*, **2015**, 594, 17-22	3.3	45
68	A dynamic multiarmed bandit-gene expression programming hyper-heuristic for combinatorial optimization problems. *IEEE Transactions on Cybernetics*, **2015**, 45, 217-28	10.2	86
67	Geraniol produces antidepressant-like effects in a chronic unpredictable mild stress mice model. *Physiology and Behavior*, **2015**, 152, 264-71	3.5	56
66	Search with evolutionary ruin and stochastic rebuild: A theoretic framework and a case study on exam timetabling. *European Journal of Operational Research*, **2015**, 242, 798-806	5.6	6
65	Automatic Design of a Hyper-Heuristic Framework With Gene Expression Programming for Combinatorial Optimization Problems. *IEEE Transactions on Evolutionary Computation*, **2015**, 19, 309-325	15.6	69
64	A hybrid genetic algorithm for a two-stage stochastic portfolio optimization with uncertain asset prices **2015**,		4
63	Thymol produces an antidepressant-like effect in a chronic unpredictable mild stress model of depression in mice. *Behavioural Brain Research*, **2015**, 291, 12-19	3.4	81
62	Supply chain coordination with dual procurement sources via real-option contract. *Computers and Industrial Engineering*, **2015**, 80, 274-283	6.4	24
61	Effects of perillaldehyde on alternations in serum cytokines and depressive-like behavior in mice after lipopolysaccharide administration. *Pharmacology Biochemistry and Behavior*, **2014**, 116, 1-8	3.9	52
60	Antidepressant-like effects of salidroside on olfactory bulbectomy-induced pro-inflammatory cytokine production and hyperactivity of HPA axis in rats. *Pharmacology Biochemistry and Behavior*, **2014**, 124, 451-7	3.9	53
59	Adaptive selection of heuristics for improving exam timetables. *Annals of Operations Research*, **2014**, 218, 129-145	3.2	17
58	Network flow models for intraday personnel scheduling problems. *Annals of Operations Research*, **2014**, 218, 107-114	3.2	3
57	A two-stage stochastic mixed-integer program modelling and hybrid solution approach to portfolio selection problems. *Information Sciences*, **2014**, 289, 190-205	7.7	11
56	Asiaticoside attenuates memory impairment induced by transient cerebral ischemia-reperfusion in mice through anti-inflammatory mechanism. *Pharmacology Biochemistry and Behavior*, **2014**, 122, 7-15	3.9	58
55	A path-oriented encoding evolutionary algorithm for network coding resource minimization. *Journal of the Operational Research Society*, **2014**, 65, 1261-1277	2	4

54	On minimizing coding operations in network coding based multicast: an evolutionary algorithm. *Applied Intelligence*, **2014**, 41, 820-836	4.9	5
53	A Population-Based Incremental Learning Method for Constrained Portfolio Optimisation **2014**,		2
52	A learning-guided multi-objective evolutionary algorithm for constrained portfolio optimization. *Applied Soft Computing Journal*, **2014**, 24, 757-772	7.5	102
51	Tectorigenin inhibits the inflammation of LPS-induced acute lung injury in mice. *Chinese Journal of Natural Medicines*, **2014**, 12, 841-6	2.8	24
50	A simulated annealing based genetic local search algorithm for multi-objective multicast routing problems. *Annals of Operations Research*, **2013**, 206, 527-555	3.2	21
49	Hyper-heuristics: a survey of the state of the art. *Journal of the Operational Research Society*, **2013**, 64, 1695-1724	2	632
48	Particle swarm optimization for the Steiner tree in graph and delay-constrained multicast routing problems. *Journal of Heuristics*, **2013**, 19, 317-342	1.9	51
47	Grammatical Evolution Hyper-Heuristic for Combinatorial Optimization Problems. *IEEE Transactions on Evolutionary Computation*, **2013**, 17, 840-861	15.6	64
46	A task based approach for a real-world commodity routing problem **2013**,		3
45	Magnolol treatment reversed the glial pathology in an unpredictable chronic mild stress-induced rat model of depression. *European Journal of Pharmacology*, **2013**, 711, 42-9	5.3	47
44	Paeoniflorin attenuates amyloid-beta peptide-induced neurotoxicity by ameliorating oxidative stress and regulating the NGF-mediated signaling in rats. *Brain Research*, **2013**, 1498, 9-19	3.7	36
43	A nondominated sorting genetic algorithm for bi-objective network coding based multicast routing problems. *Information Sciences*, **2013**, 233, 36-53	7.7	17
42	A hybrid algorithm for constrained portfolio selection problems. *Applied Intelligence*, **2013**, 39, 251-266	4.9	38
41	Adaptive selection of heuristics for assigning time slots and rooms in exam timetables. *Applied Intelligence*, **2013**, 39, 438-450	4.9	17
40	A Time Predefined Variable Depth Search for Nurse Rostering. *INFORMS Journal on Computing*, **2013**, 25, 411-419	2.4	15
39	Tabu assisted guided local search approaches for freight service network design. *Information Sciences*, **2012**, 189, 266-281	7.7	18
38	A honey-bee mating optimization algorithm for educational timetabling problems. *European Journal of Operational Research*, **2012**, 216, 533-543	5.6	58
37	The falling tide algorithm: A new multi-objective approach for complex workforce scheduling. *Omega*, **2012**, 40, 283-293	7.2	38

36	Linear combinations of heuristics for examination timetabling. *Annals of Operations Research*, **2012**, 194, 89-109	3.2	9
35	A new model for automated examination timetabling. *Annals of Operations Research*, **2012**, 194, 291-315	3.2	30
34	A hybrid scatter search meta-heuristic for delay-constrained multicast routing problems. *Applied Intelligence*, **2012**, 36, 229-241	4.9	28
33	A pattern recognition based intelligent search method and two assignment problem case studies. *Applied Intelligence*, **2012**, 36, 442-453	4.9	9
32	A constraint programming based column generation approach to nurse rostering problems. *Computers and Operations Research*, **2012**, 39, 3331-3343	4.6	29
31	A Pareto-based search methodology for multi-objective nurse scheduling. *Annals of Operations Research*, **2012**, 196, 91-109	3.2	27
30	A compact genetic algorithm for the network coding based resource minimization problem. *Applied Intelligence*, **2012**, 36, 809-823	4.9	22
29	A graph coloring constructive hyper-heuristic for examination timetabling problems. *Applied Intelligence*, **2012**, 37, 1-11	4.9	68
28	An iterative local search approach based on fitness landscapes analysis for the delay-constrained multicast routing problem. *Computer Communications*, **2012**, 35, 352-365	5.1	5
27	A Population Based Incremental Learning for Network Coding Resources Minimization. *IEEE Communications Letters*, **2011**, 15, 698-700	3.8	12
26	Integrating neural networks and logistic regression to underpin hyper-heuristic search. *Knowledge-Based Systems*, **2011**, 24, 322-330	7.3	17
25	Integrating human factors and operational research in a multidisciplinary investigation of road maintenance. *Ergonomics*, **2011**, 54, 436-52	2.9	13
24	Personnel scheduling: Models and complexity. *European Journal of Operational Research*, **2011**, 210, 467-473	3.8	106
23	A Population Based Incremental Learning for Delay Constrained Network Coding Resource Minimization. *Lecture Notes in Computer Science*, **2011**, 51-60	0.9	6
22	A scatter search methodology for the nurse rostering problem. *Journal of the Operational Research Society*, **2010**, 61, 1667-1679	2	65
21	Setting the Research Agenda in Automated Timetabling: The Second International Timetabling Competition. *INFORMS Journal on Computing*, **2010**, 22, 120-130	2.4	139
20	A shift sequence based approach for nurse scheduling and a new benchmark dataset. *Journal of Heuristics*, **2010**, 16, 559-573	1.9	54
19	Hybrid variable neighbourhood approaches to university exam timetabling. *European Journal of Operational Research*, **2010**, 206, 46-53	5.6	81

18	A hybrid model of integer programming and variable neighbourhood search for highly-constrained nurse rostering problems. *European Journal of Operational Research*, **2010**, 203, 484-493	5.6	108
17	Analyzing the landscape of a graph based hyper-heuristic for timetabling problems **2009**,		37
16	Hybridizations within a graph-based hyper-heuristic framework for university timetabling problems. *Journal of the Operational Research Society*, **2009**, 60, 1273-1285	2	91
15	A survey of search methodologies and automated system development for examination timetabling. *Journal of Scheduling*, **2009**, 12, 55-89	1.6	214
14	Adaptive automated construction of hybrid heuristics for exam timetabling and graph colouring problems. *European Journal of Operational Research*, **2009**, 198, 392-404	5.6	65
13	A Hybrid Constraint Programming Approach for Nurse Rostering Problems **2009**, 211-224		15
12	Roulette Wheel Graph Colouring for Solving Examination Timetabling Problems. *Lecture Notes in Computer Science*, **2009**, 463-470	0.9	7
11	A Variable Neighborhood Descent Search Algorithm for Delay-Constrained Least-Cost Multicast Routing. *Lecture Notes in Computer Science*, **2009**, 15-29	0.9	10
10	Hierarchical Method For Nurse Rostering Based On Granular Pre-Processing Of Constraints **2009**,		1
9	A hybrid heuristic ordering and variable neighbourhood search for the nurse rostering problem. *European Journal of Operational Research*, **2008**, 188, 330-341	5.6	109
8	A graph-based hyper-heuristic for educational timetabling problems. *European Journal of Operational Research*, **2007**, 176, 177-192	5.6	325
7	Solving a Practical Examination Timetabling Problem: A Case Study **2007**, 611-624		14
6	Antidepressant-like Effect of Paeonol. *Pharmaceutical Biology*, **2006**, 44, 229-235	3.8	2
5	Antidepressant Effect of Baicalin Extracted from the Root of Scutellaria baicalensis. in Mice and Rats. *Pharmaceutical Biology*, **2006**, 44, 503-510	3.8	26
4	Case-based heuristic selection for timetabling problems. *Journal of Scheduling*, **2006**, 9, 115-132	1.6	140
3	Hybrid Graph Heuristics within a Hyper-Heuristic Approach to Exam Timetabling Problems. *Operations Research/ Computer Science Interfaces Series*, **2005**, 79-91	0.3	24
2	Case-Based Reasoning in Course Timetabling: An Attribute Graph Approach. *Lecture Notes in Computer Science*, **2001**, 90-104	0.9	16
1	Structured cases in case-based reasoning□e-using and adapting cases for time-tabling problems. *Knowledge-Based Systems*, **2000**, 13, 159-165	7.3	38